Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/06/2021 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125435	0	1.33	125544	1.28
Blue	F	SSC	125000	125102	0	2.35	126139	2.31
Blue	E	FITC	14203	13875	-3	2.18	302	15.17
Blue	D	PE	25703	25287	-2	1.71	550	10.62
Blue	B	PerCP-Cy5-5	42104	41353	-2	2.76	925	14.42
Blue	A	PE-Cy7	34646	34677	0	4.19	491	29.74
Red	C	APC	49824	49403	-1	2.37	1516	11.36
Red	A	APC-Cy7	39773	38796	-3	2.33	722	11.56
Violet	B	V450	7447	7131	-5	3.68	392	13.21
Violet	A	V500	31193	30044	-4	3.42	680	10.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22114	1.84	553	-3	N/A	N/A	Pass
Blue	F	SSC	54661	1.90	512	0	N/A	N/A	Pass
Blue	E	FITC	56	51.89	485	-1	0.0393	71	Pass
Blue	D	PE	108	38.51	486	1	0.3517	247	Pass
Blue	B	PerCP-Cy5-5	174	35.87	579	2	0.0195	50	Pass
Blue	A	PE-Cy7	111	63.81	624	4	0.0212	0	Pass
Red	C	APC	353	23.62	566	-1	0.0270	54	Pass
Red	A	APC-Cy7	200	23.97	543	-1	0.0062	387	Pass
Violet	B	V450	89	43.16	445	-4	0.0453	1741	Pass
Violet	A	V500	120	29.10	463	-4	0.0228	527	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.77	-31.39	1.13
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.24	15.99 - 23.99	N/A	N/A	29.67	30.04	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11200

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments